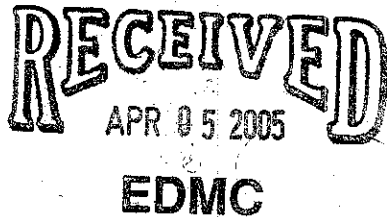
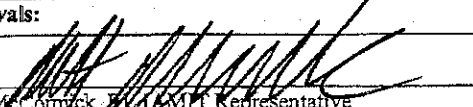
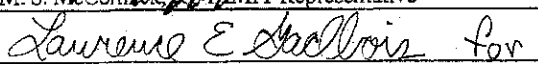


Change Number	Federal Facility Agreement and Consent Order Change Control Form Do not use blue ink. Type or print using black ink.		Date:
M-16-05-01			February 25, 2005
Originator: K. Michael Thompson		Phone: 373-0750	
Class of Change:			
<input type="checkbox"/> I - Signatories		<input checked="" type="checkbox"/> II - Executive Manager	
<input type="checkbox"/> III - Project Manager			
Change Title:			
Modify the description and completion date for Tri-Party Agreement Interim Milestone M-016-68 (300-FF-5 OU)			
<p>The attenuation of the 300-FF-5 Operable Unit uranium plume is significantly slower than the estimated attenuation rate that formed the basis for the July 1996 Record of Decision (ROD) identifying natural attenuation and continued groundwater monitoring as the remedial action. The Remedial Investigation/Feasibility Study (RI/FS) predicted that the remedial action objectives would be achieved in 3 to 10 years (from late 1993). Source-removal actions for the primary liquid waste disposal facilities are complete and the cleanup of remaining waste sites and burial grounds are planned to continue for the next decade. Since 1996, issues such as the tritium plume at the 618-11 burial ground and the uranium plume at the 316-4 crib, need an updated Feasibility Study to support a remedy decision as well. Finally, the conceptual model for uranium transport has been enhanced significantly since the 1996 ROD was issued, providing a more defined basis for assessing passive and active remedial alternatives.</p>			
Description/Justification Continued on Page 2			
			
Impact of Change:			
Delays 300-FFS/PP to allow for additional characterization activities and treatability tests to be performed under an approved Workplan. The FFS/PP Milestone will be defined upon approval of the Limited Field Investigation Workplan.			
Affected Documents:			
The Tri-Party Agreement as amended and Hanford Site internal planning, management, and budget documents (e.g., USDOE and USDOE contractor Baseline Change Control documents; Multi-Year Work Plan; Sitewide Systems Engineering Control Documents; Project Management Plans, and, if appropriate, LDR Report requirements).			
Approvals:			
 M. S. McCormick, EPA IAMIT Representative		3/4/05 Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved
 Lawrence E. Stoll, for N. Ceto, EPA IAMIT Representative		3-15-2005 Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved

Description/Justification of Change (Continued)

The U.S. Department of Energy, Richland Operations Office (RL) and the U.S. Environmental Protection Agency (EPA) have agreed to re-evaluate remedial action alternatives to meet the remediation goals identified in the July 1996 Record of Decision (ROD) – primarily, the restoration of the aquifer to drinking water standards within a reasonable timeframe.

Tri-Party Agreement Interim Milestone M-016-68 was established for the delivery of a Focused Feasibility Study /Draft Proposed Plan (FFS/PP) in March 2005 to evaluate remediation technology alternatives. The milestone recognizes that treatability tests may be necessary to prepare the FFS/PP. A provision was made in the milestone to delay the FFS/PP if such tests were deemed necessary, "If a Treatability test is required, a new milestone for delivery of an updated FFS and PP will be negotiated to accommodate the test and assessment of its results". Discussions at the Unit Manager level have resulted in an understanding supporting the delay of the FFS/PP to provide adequate time to perform additional characterization and to perform treatability tests of selected technologies. Therefore, RL is proposing that Tri-Party Agreement Interim Milestone M-016-68 be modified to reflect the specific deliverables that will be submitted in March 2005, including a limited field investigation work plan for the remaining activities as described below. The proposed remaining work is necessary to address the adequacy of uranium cleanup levels and provide the basis for groundwater remediation decisions. Operable Unit specific groundwater/contaminant-transport conceptual and numeric models require additional characterization to resolve remaining uncertainties in the conceptual model required to choose and implement a remedial action. Treatability tests will ensure that a technically-sound and defensible proposed plan can be submitted.

Significant progress has been made in accomplishing the goal of assessing remedial technologies. RL will submit a document by March 31, 2005 that will include (1) Detailed descriptions of updated conceptual models for the 300 Area uranium plume and the 618-11 tritium plume including characteristics and trends for all previously identified contaminants of potential concern (COPC); (2) An evaluation of the COPC's and an updated list of COPC's with a path forward for further evaluation of the COPC's that are retained; and, (3) A work plan submitted as a Tri-Party Agreement Primary Document that describes the scope and schedule for activities leading to the FFS/PP, including a recommended Tri-Party Agreement milestone for the FFS/PP. The March 2005 deliverable will provide data necessary to support the upcoming five-year review of 300-FF-5 ROD and the 300 Area End States Workshop.

The FFS/PP will be coordinated with ongoing Columbia River risk assessment activities. Additional analysis may be necessary to evaluate technologies for further reducing the flux of risk-driving contaminants to the Columbia River and its riparian habitat.

The proposed change is aligned with M-016-00B major milestone, Complete All Interim Response Actions for the 300 Areas due September 30, 2018.

Modifications established by approval of this Tri-Party Agreement Change Request are denoted as ~~strikeout~~ for deletions/modification and shading for new text.

Milestone	Description	Date
M-016-68	Submit a Draft Focused Feasibility Study / Proposed Plan for the 300 FF 5 Operable Unit that reevaluates the natural attenuation remedy, assesses the potential for active and passive remedial measures to achieve remedial action goals identified in the July 1996 ROD— restoration of the aquifer to drinking water standards within a reasonable timeframe, provides data necessary to support the evaluation of technical impracticability waivers and alternate concentration limits as provided under CERCLA for portions of (or the entire) aquifer if restoration to drinking water standards within a reasonable time frame cannot be achieved. If appropriate, a Treatability Investigation Workplan will be submitted (as a primary document under the TPA) with a schedule for revising the Focused Feasibility Study and Proposed Plan reflecting the time necessary to complete the workplan activity. If a Treatability test is required, a new milestone for delivery of an updated FFS and PP will be negotiated to accommodate the test and assessment of its results.	March 31, 2005
	<u>Submit a document providing descriptions of updated conceptual models for the 300 Area uranium plume and the 618-11 tritium plume including characteristics and trends for all previously identified contaminants of potential concern (COPC); (2) An evaluation of the COPC's and an updated list of COPC's with a path forward for further evaluation of the COPC's that are retained; and, (3) A limited field investigation work plan submitted as a Tri-Party Agreement Primary Document that describes the scope and schedule for activities leading to the FFS/PP, including a recommended Tri-Party Agreement milestone for the FFS/PP. The March 2005 deliverable will provide data necessary to support the upcoming five-year review of 300-FF-5 ROD and the 300 Area End States Workshop.</u>	March 31, 2005